

# ABRAM URBAN DISTRICT COUNCIL.

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## Medical Officer's Annual Report, 1905.

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SPRINGFIELD HOUSE,

ABRAM,

JANUARY, 1906.

To the Chairman and Members of the Abram Urban District Council.

Gentlemen,

I beg to present to you my First Annual Report on the health of your district for the year ending December 31st, 1905, together with copies of the statistics as required by the Local Government board, Home Office, and County Council; and also a Special Report for the County Council (Table C), on the general condition of the district, and a copy of the administration of the Factory and Workshops Act, 1901.

I am glad to state that my initial report is very satisfactory, the number of deaths recorded being, with one exception (1896), the lowest in actual numbers for the last decade, while the rate per thousand living, owing to the growth of the population, is by far the lowest, being 14.6, as compared with 18.4 for 1904 and 21.91, the average for the previous ten years.

Another very satisfactory feature is the diminution in the number of deaths in children under one year, 38 being the total during the year, or an average of 163 per thousand of the births registered, as compared with 41 and 200 per thousand for 1904, and 49 and 209 per thousand, the average for the preceding ten years.

The number of births registered,—223 in actual numbers, is one below the average of the preceding ten years, but 28 more than recorded for 1904, while the rate per thousand is lower owing to the larger population, being 34.1, as compared with 41.8 the average for the previous decade, but is higher than 1904, which is 30.7.

Below will be found a detailed statement of number and causes of deaths registered, and also the number of births.

*Death Rate.* Total number of deaths registered as belonging to the district is 100. This gives a rate of 14.6 per thousand living, on an estimated population up to the middle of the year, of 6820.

Four of these deaths have occurred in Institutions beyond the district, leaving 96, or 14.07 per thousand as actually registered in the district.



Of these 100 deaths 38 have occurred in children under one year, 15 between 1 and 5 years, 6 between 5 and 15 years, 3 between 15 and 25 years, 26 between 25 and 65 years, and 12 over 65 years.

Their location is as follows:—

				Deaths		Rate per	
				Under 1 Year.		Thousand of Population.	
Total Deaths.							
Abram Brow Ward	...	41	...	21	...	19.2	
Bickershaw	do.	20	...	2	...	13.6	
Bamfurlong	do.	24	...	11	...	11.2	
Plank Lane	do.	15	...	4	...	13.8	

Reference to the above Table shows that out of a total of 38 deaths occurring in children under one year, 21 or 55.2 per cent. have taken place in the Abram Brow Ward. The cause of this seems to be accounted for by the greater number of Premature Births (7 out of a total of 9 registered for the whole district dying from this cause in this ward), and the greater severity, and consequently greater number of deaths from Diarrhœa, and its allies (the different varieties of Enteritis), No less than 11 deaths from this cause being registered in this particular ward.

The Zymotic death rate for the district, including Diarrhœa, is 1.9 per thousand, a total of 13 deaths being registered from Zymotic Diseases. This compares very favourably with the Zymotic death rate in previous years, for in 1904 it was 2.7, and in 1903 4.5 per thousand respectively. Of the four deaths registered outside of, but belonging to the district, two occurred in the Wigan Union and two in Wigan Infirmary.

*Birth Rate.* 233 births have been registered during the year, consisting of 126 boys and 107 girls (4 boys and 3 girls illegitimate). These figures give a rate of 34.1 per thousand of the population, as compared, as previously mentioned, with 30.7 for 1904, and 41.8 for the average of the previous ten years.

I cannot give you the number of births belonging to each ward, as I have not that information available.

*Notifications.* 97 cases of Infectious Diseases have been notified during the year, consisting of Scarlet Fever 56, Diphtheria 15, Erysipelas 14, Enteric Fever 11, and Puerperal Fever 1.

Their ward distribution is as follows:—

Disease.		Abram Brow Ward.		Bickershaw Ward.		Bamfurlong Ward.		Plank Lane Ward.
Scarlet Fever	...	19	...	15	...	16	...	6
Diphtheria	...	7	...	4	...	3	...	1
Enteric Fever	...	4	...	5	...	2	...	Nil
Erysipelas	...	4	...	3	...	6	...	1
Puerperal Fever	...	Nil	...	1	...	Nil	...	Nil
		—		—		—		—
	Total	34		28		27		8
		—		—		—		—

*Periods.* As regards their periodicity, Scarlet Fever has been present more or less throughout the whole of the year, but more particularly during the second and third quarters. Only one case, however, or 1.7 per cent. proving fatal. Diphtheria appeared spasmodically, one case or 6.6 per cent. proving fatal. Anti-diphtheritic serum is supplied free of charge to medical practitioners for use in the district. In one instance four cases of Diphtheria appeared in one house (327, Warrington Rd.)

Erysipelas distributed throughout the year, but no fatal results.

Enteric Fever appeared for the first time in June, one case from Bickershaw Ward which proved fatal. In September 5 cases were notified, and in October 4. All were removed to the Isolation Hospital. Another case was notified in December from Bamfurlong.

The peculiar feature about the cases which occurred in June, September, and October, is that on the one hand twelve months previously a similar outbreak took place between Park Lane and Crankwood Road, in the Abram Brow Ward, and some four years ago a very severe epidemic arose in another portion of the township, viz., in the neighbourhood of the Barracks, in Bickershaw Ward, these two districts being the ones affected this year, the other parts of the township being free. The cause of this outbreak would appear to be insufficient ventilation of the sewers, which is now being remedied by the fixing of 6 inch iron ventilating shafts in different portions of the district, as suggested.

I may say that owing to the prompt removal of the patients, and complete disinfection, we had no second case in any of the houses.

The case in December occurred in a very dirty house (34, Cross Street, Bamfurlong), which is the residence of a registered midwife. Instructions were given, and carried out, for complete disinfection and cleaning.

*Small Pox.* We have had none during the year.

*Puerperal Fever.* One case in Bickershaw Ward, which, however, has not proved fatal. The midwife attending was given the requisite instructions.

Of the Non-notifiable Diseases Measles caused 2 deaths in March, and since then the district has been fairly free from this disease.

In November and December a few cases of Chicken-Pox and Whooping Cough, mostly, however, of a mild character appeared, no deaths from these diseases being registered.

Diarrhoea appeared in a very severe form in August and September. To combat this, handbills were distributed to parents warning them of the necessity of careful dieting, particularly in young children. The disease, which caused 8 deaths, or 1.1 per thousand, 7 in children under one year, and 1 in a child between 1 and 2 years, was most prevalent in the Abram Brow and Plank Lane Wards, causing 6 deaths in the former and 2 in the latter locality.

Of the other diseases Enteritis caused 7 deaths, or 1.02 per thousand; Phthisis 3, or .43 per thousand. (I would strongly recommend to the Council the advisability of fumigation after deaths from this disease, as there is no doubt as to its infectious character).

Other Tubercular Diseases 5, or .72 per thousand. Cancer 5, or .72 per thousand (4 in people over 65 years of age).



Respiratory Diseases caused 22, or 3.2 per thousand deaths. These diseases are undoubtedly contributed to in many instances by the dirty and unpaved condition of the back yards, for with the damp, clayey sub-soil peculiar to the district, these yards are almost always in a damp condition.

Cirrhosis of the Liver caused one death, or .14 per thousand. Premature Birth 9, or 1.26 per thousand.

*Diseases of Parturition*, 1 or .14 per thousand.

*Heart Diseases* 13, or 1.9 per thousand.

*Accidents* 5, or .72 per thousand; *Uncertified*, 2, or .28 per thousand. And all other causes 14, or 2.05 per thousand.

The Bakehouses have been visited and found satisfactory, instructions for limewashing having been given and carried out in a few instances.

There are no underground bakehouses.

There are no Slaughter-houses used as such in the district.

A careful watch has been kept, but no diseased or unsound meat has been found during the year.

*Dairies and Cowsheds.* These, generally speaking, are kept in fair condition as regards cleanliness, but certain farms require considerable improvements in their drainage and water supply, and are being dealt with.

*The Factory and Workshops Act.* 31 Inspections have been made under this act, and limewashing recommended where necessary.

The premises visited consist of: 8 Cloggers, 4 Dressmakers, 1 Stocking Knitter, 1 Milliner, 1 Blacksmith, and 1 Tinsmith.

The Water Supply, which is from a service reservoir situated at Stubshaw Cross, and supplied from Liverpool Corporation Mains, has been good throughout the year, the average consumption being for domestic purposes about  $10\frac{1}{2}$  gallons per head per day.

Sewage Effluent has been satisfactory throughout the year, the samples taken being in class 'good' all the time.

*General Remarks and Suggestions.* I should like to draw your attention to the bad condition and want of pavement in the back yards in several instances, particularly 347 to 355, Warrington Road; 2 to 14, Linburne Street, Bickershaw; 1 to 13, Barracks, Bickershaw; 1 to 23, Holden Street, Plank Lane; 1 to 17, Howard Street, Plank Lane; and 68 to 78, Talbot Road, Plank Lane.

In November last a girl, who was attending School, was pointed out to me, and proved to be suffering from Scarlet Fever. Although she was then in the peeling stage no one had noticed this. Several cases of sore throat afterwards occurred in children in the same school, but fortunately no one else developed Scarlet Fever, although an epidemic might have arisen from this case. On investigation, it was found that the child had been absent previously from school with sore throat. This occurrence

I think, proves that much assistance might be rendered if the teachers in Elementary schools received some instruction in Hygienic matters, so as to enable them to detect, or at least suspect, the early symptoms of infectious diseases when present in school children. I may say this is being carried out in several places, and certainly recommends itself.

I would suggest the advisability of there being some arrangement whereby the head teachers of schools in your township could acquaint the authority with the names of children staying away from school with suspicious sore throats, or any none notifiable infectious disease, such as Chicken-Pox, Measles, Whooping Cough, Mumps, etc., as by this means efforts could be made to try and prevent the spread of these diseases. In several neighbouring districts printed post cards are supplied to the schools, which when necessity arises, are filled in and posted either to the Sanitary Inspector or the Medical Officer of Health.

Borsdane Brook, which has occasioned some trouble in previous years, does not seem to have done so this year to any extent.

Generally speaking, the public would appear to be taking a more intelligent interest in Sanitary matters than formerly, and if one could only impress upon them the advisability of better ventilation in their homes by opening of windows, etc., attention to general condition of premises, and greater personal cleanliness, there is reason to hope that the Zymotic death rate will still diminish, and the general health improve.

I beg to thank Mr. Roby for his Report, which is attached to this.

I am, yours obediently,

A. O. BENTHAM.  
Medical Officer of Health.

TABLE I.

Vital Statistics of Whole District during 1905 and previous Years.  
District of Abram.

YEAR	Population estimated to Middle of each Year	BIRTHS		TOTAL DEATHS REGISTERED. IN THE DISTRICT				Total Deaths in Public Institu- tions in the District	Deaths of Non- residents registered in Public Institu- tions in the District	Deaths of Residents registered in Public Institu- tions beyond the District	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number	Rate*	Under 1 Year of Age		At all Ages					Number	Rate*
				Number	Rate per 1000 Births regist'd	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	4694	203	43.3	39	192	100	20.30	...	...	...	...	...
1896	4806	220	45.8	39	177	98	20.60	...	...	...	...	...
1897	4934	227	46.0	45	198	102	20.00	...	...	...	...	...
1898	5054	238	47.0	59	247	130	25.72	...	...	...	128	25.32
1899	5175	235	45.4	57	242	111	21.40	...	...	...	111	21.4
1900	5277	252	47.7	57	230	145	27.4	...	...	...	145	27.4
1901	6325	248	39.2	56	225	164	25.92	...	...	5	169	26.71
1902	6409	246	38.3	43	178	120	18.72	...	...	4	124	19.34
1903	6556	270	41	56	207	143	21.81	...	...	7	150	22.87
1904	6660	205	30.7	41	200	123	18.4	2	...	5	128	19.2
Averages for years 1895-1904	5589	234	41.8	49	209	123	22	...	...	...	...	...
1905	6820	233	34.1	38	163	96	14.07	1	...	4	100	14.6

\* Rate in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres }  
(exclusive of area } 1982.  
covered by water).

Total population at all ages ... 6306 }  
Number of inhabited houses ... 1116 } At Census  
Average number of persons per house 5.65 } of 1901

I	II	III
Institutions within the District receiving sick and infirm persons from outside the District.	Institutions outside the District receiving sick and infirm persons from the District.	Other Institutions, the deaths in which have been distributed among the several localities in the District
Nil	Wigan Workhouse Wigan Infirmary	Abram Sanatorium

Is the Union Workhouse within the District? No: at Wigan.

TABLE II.

Vital Statistics of separate Localities in 1905 and previous years.  
District of Abram.

NAMES OF LOCALITIES	Whole District.				Abram Brow Ward.				Bickershaw Ward.				Bamfurlong Ward.				Plank Lane Ward.			
	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	No information obtainable	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year
1895	4694	203	100	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1896	4806	220	98	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1897	4934	227	102	45	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1898	5054	238	128	59	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1899	5175	235	111	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1900	5277	252	145	57	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1901	6325	248	169	56	1752	..	..	..	1420	..	..	..	1985	..	..	..	1144	..	..	..
1902	6409	246	124	43	..	35	..	..	..	..	20	..	..	..	45	..	..	24	..	..
1903	6556	270	150	56	..	35	..	10	..	..	32	13	..	..	37	8	..	46	11	..
1904	6660	205	128	41	..	38	12	13	..	..	34	8	..	..	30	..	..	26	8	..
Averages of Years 1895 to 1904.	5589	234	123	49	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1905	6820	233	100	38	2128	..	41	2	1467	..	20	11	2139	..	24	15	1086	..	15	4

Cases of Infectious Disease notified during the Year 1905.

District of ABRAM.

NOTIFIABLE DISEASE.		CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.						NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.					
		At Ages—Years.						1 Abram Brow Ward.	2 Bicker- shaw Ward.	3 Bam- furlong Ward.	4 Plank Lane Ward.	1 Abram Brow Ward.	2 Bicker- shaw Ward.	3 Bam- furlong Ward.	4 Plank Lane Ward.	5 Total.			
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65													
Diphtheria	...	...	...	...	...	15	...	4	7	2	7	4	3	1	...	...	1		
Erysipelas	...	...	...	...	...	14	...	...	...	3	4	3	6	1	...	...	...		
Scarlet Fever	...	...	...	...	...	56	...	26	26	3	19	15	16	6	3	9	12	2	26
Enteric Fever	...	...	...	...	...	11	...	1	2	3	4	5	2	...	4	5	2	...	11
Puerperal Fever	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
Totals	...	...	...	...	...	97	...	31	35	11	34	28	27	8	7	14	15	2	38

Isolation Hospital, Park Lane, Abram.



TABLE IV.

Causes of, and Ages at, Death during Year 1905.

## District of ABRAM.

CAUSE OF DEATH	DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING IN OR BEYOND THE DISTRICT.							DEATHS AT ALL AGES OF "RESIDENTS" BELONGING TO LOCALITIES, WHETHER OCCURRING IN OR BEYOND THE DISTRICT.				Total Deaths whether of Residents or non- 'Residents' in Public Institutions in the District.
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and up- wards	Abram Brow Ward	Bicker- shaw Ward	Bamfur- long Ward	Plank Lane Ward	
1	2	3	4	5	6	7	8	9	10	11	12	13
Measles ... ..	2	...	2	...	...	...	...	1	1	...	...	...
Scarlet Fever ... ..	1	1	...	...	...	...	...	1	..	...	...	...
Diphtheria and membranous croup ... ..	1	...	1	...	...	...	...	...	...	1	...	...
Enteric Fever ... ..	1	...	...	...	1	...	...	...	1	...	...	1
Diarrhœa ... ..	8	7	1	...	...	...	...	6	...	...	2	...
Enteritis ... ..	7	7	...	...	...	...	...	5	...	2	...	...
Phthisis, (Pulmonary Tuber- culosis) ... ..	3	...	...	...	1	2	...	2	1	...	...	...
Other tubercular diseases ...	5	1	2	2	...	...	...	3	1	1	...	...
Cancer, malignant disease ...	5	...	...	...	...	1	4	4	...	...	1	...
Bronchitis ... ..	3	1	...	...	...	2	...	1	1	1	...	...
Pneumonia ... ..	17	6	5	2	...	3	1	5	6	3	3	...
Pleurisy ... ..	2	...	...	...	...	2	...	2	...	...	...	...
Alcoholism, Cirrhosis of liver	1	...	...	...	...	1	...	1	...	...	...	...
Premature birth ... ..	9	9	...	...	...	...	..	7	...	2	...	...
Diseases and accidents of parturition ... ..	1	...	...	...	...	1	...	...	...	1	...	...
Heart diseases ... ..	13	1	...	1	...	8	3	2	4	4	3	...
Accidents ... ..	5	...	...	...	1	4	...	1	1	1	2	...
Uncertified ... ..	2	1	...	...	...	...	1	...	2	...	...	...
All other causes ... ..	14	4	4	1	...	2	3	...	2	8	4	...
All causes ... ..	100	38	15	6	3	26	12	41	20	24	15	1

A. O. BENTHAM, *Medical Officer of Health.*

January 15th, 1906.

TABLE V.

District of ABRAM.

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated Causes in Weeks and Months Under One Year of Age.

CAUSE OF DEATH.																			
ALL CAUSES.	{	Certified	...	...	...	Total under 1 Month.	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year.	
																			Uncertified
Common Infectious Diseases—Scarlet Fever																			
Diarrhoeal Diseases.	{	Diarrhoea, all forms	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	7
		Enteritis ( <i>not Tuberculous</i> )	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
		Gastritis, Gastro-intestinal Catarrh	...	...	...	2	2	1	...	1	...	...	...	1	1	...	...	...	6
Wasting Diseases.	{	Premature Birth	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	9	
		Congenital Defects	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1
		Atrophy, Debility, Marasmus	...	...	2	...	2	1	...	...	...	...	...	...	...	...	...	...	4
Tuberculous Diseases.—Tuberculous Meningitis																			
Bronchitis	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	
Pneumonia	...	...	...	...	...	...	...	...	...	1	...	2	1	1	...	1	...	6	
Other Causes	..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	
Totals...																			
8 2 2 2 2 14 3 2 1 3 1 3 1 3 4 3 1 2 1 38																			

Population (Estimated to middle of 1905.) 6820.

Births in the year { legitimate ... 226.  
illegitimate ... 7.

Deaths from all Causes at all Ages, 100.

# Annual Report of the Medical Officer of Health for Year 1905,

## for the Urban District of ABRAM,

On the administration of the Factory and Workshop Act, 1901, in connection with  
Factories, Workshops, Laundries, Workplaces, and Homework.

### 1. INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises	No. of Inspections.	No. of Written Notices.	No. of Prosecutions.
Workshops (including Workshop Laundries) ...	2	...	...
Workplaces ... ..	29	2	...
Total ...	31	2	...

### 2—DEFECTS FOUND.

	Number of Defects			No. of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness ... ..	6	4	...	...
Other nuisances ... ..	1	1	...	...
Total ...	7	5	...	...

Workshops on the Register (s. 131) at the end of the year ... .. 24

January 15th, 1906.

A. O. BENTHAM,

Medical Officer of Health.

## COUNTY OF LANCASTER.

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Summary of Medical Officer's Report for 1905.

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Urban Sanitary District of Abram.

Area in Statute Acres, 1982.    Population (Census) 1901, 6306.    Population (Estimated) 1905, 6820.

Name of Medical Officer of Health, A. O. Bentham.    Salary, £40.

Births registered: Male 126, Female 107; Total 233.

Deaths registered (Nett deaths belonging to the District): Male 60, Female 40; Total 100.

Number of Illegitimate Births registered, 7.    Illegitimate Deaths under one year of age, 2.

Birth Rate 34.1    Death Rate 14.6.    Rate of Infant Deaths, under one year, to 1,000 Births, 163.

Death Rate from the \* seven principal Zymotic Diseases per 1,000 of population, 1.9.

Diseases prevalent? 1. Scarlet Fever. 2. Mumps. 3. Diarrhœa. 4. Typhoid Fever.    Period?  
1. Throughout the year. 2. 4th Quarter. 3. 3rd Quarter. 4. 3rd and 4th Quarters.

What Action taken? Distribution of handbills, Removal to Hospital, and Disinfection.    Any Schools Closed? No.

What is the character of the Hospital Accommodation? Isolation Hospital for Ordinary Infectious Cases; Corrugated Iron Structure for Small Pox. † Is it Joint or otherwise? Only for District. Number of Beds available for the District? 8 and 4 (for Small Pox).    Number of cases treated? Small Pox, Nil; Diphtheria, 1; Scarlet Fever, 26; Typhoid Fever, 11; Total 38.    Deaths in Hospital? 1. From what causes? Typhoid Fever.

How is Disinfection carried out? Houses, Sulphur Fumigation; Clothing, Bedding, &c., Steam Disinfection. Apparatus used? Manlove Allicott and Co.'s Steam Disinfectors.

Number of cases of Infectious Disease Notified? 97.    Are any Diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, &c.)? If so, what are they? No.    Has any arrangement been made for the "voluntary" notification of Phthisis? No.

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\* Small-pox; Scarlet Fever; Diphtheria and Membranous Croup; Fever—Typhus, Typhoid, and Continued; Measles; Whooping Cough, and Diarrhœa.

† If you have the Joint use of Isolation Hospital belonging to neighbouring Authority state nature of agreement. Is any Retaining Fee paid?



## SUMMARY—continued

Has any action been taken under "The Housing of the Working Classes Acts?" ... ..	No.
How many houses condemned as unfit for human habitation, and how many closed or demolished? ...	Special Reports on the condition of 490, War-rington Road, 3, Lee Lane, and Owler Hall Farm, Bickershaw Lane.
From where is the Water Supply obtained, and what is its condition? Is it subject to your Inspection? ...	Council's own service reservoir at Stubshaw Cross. Supplied from Liverpool Corporation Mains. Good. Yes.
Is Scavenging carried out satisfactorily? By Sanitary Authority or contract?	Yes. 3 parts by contract with farmers, remainder by Council.
How is the Refuse disposed of? ...	Excreta disposed of on land. Refuse taken to Special Tips.
What is the character of Drainage and the form of Sewage Disposal? ...	As previously reported. Effluent continues good.
Canal Boats (Number Inspected, &c.)?	60. 4 Infringing Regulations.
What is the condition of the Bakehouses ... ..	Generally satisfactory.
Slaughter Houses? ...	None in use.
Lodging Houses? ...	None.
Are they Registered? ...	None.
Dairies, Cowsheds, and Milkshops—Are they periodically inspected? ...	Yes.
What is their condition? ...	Kept limewashed and fairly clean. Several reported as regards drainage and water supply.
Are they subject to Regulations made under the Order of the Local Government Board? ...	Yes.
What amount of air space in cubic feet required for each cow? ...	500.
Food unfit for Human Consumption. Amount seized? ... ..	None.
Any Special Report of Medical Officer of Health during the year? ...	None except those mentioned above.
Department of Inspector of Nuisances?	No. of Notices served ... .. 192 „ Nuisances remedied ... .. 318 „ Legal Proceedings taken and result, None
Smoke ... ..	No. of Observations ... .. Nil „ Legal Proceedings taken and result ... Nil What is the time limit allowed for the emission of black smoke per hour? ... —
Has the Authority adopted—	
(a) "The Infectious Disease (Pre-vention Act, 1890" ? ...	Yes.
(b) "The Public Healths Acts Amendment Act, 1890" ? ...	Yes.

## SANITARY INSPECTOR'S ANNUAL REPORT FOR 1905.

I beg to give below a Summary of the work carried out in the Inspector of Nuisances and Sanitary Departments, for the past year (1905).

Drains stopped	...	...	...	...	...	...	...	26
Drains taken up and relaid or renewed	...	...	...	...	...	...	...	31
Farms re-drained	...	...	...	...	...	...	...	3
Leaking and defective ashpits and closets	...	...	...	...	...	...	...	62
Privy middens re-built	...	...	...	...	...	...	...	6
Privies converted to Water-closets	...	...	...	...	...	...	...	3
Houses provided with towns water	...	...	...	...	...	...	...	2
Back passages cleaned and ashed	...	...	...	...	...	...	...	6
Paving backyards and round gullies	...	...	...	...	...	...	...	40
Defective slop pipes and waste pipes	...	...	...	...	...	...	...	31
Keeping pigs as a nuisance	...	...	...	...	...	...	...	4
Poultry and pigeons in house yards	...	...	...	...	...	...	...	7
Defective spouts, floors, roofs, &c.	...	...	...	...	...	...	...	11
Overcrowding	...	...	...	...	...	...	...	2
Houses limewashed	...	...	...	...	...	...	...	76
Accumulations of manure, &c.	...	...	...	...	...	...	...	3
Dirty premises	...	...	...	...	...	...	...	4
Total								318

The above relate to about 400 houses, and 192 written notices and letters were served in addition to verbal notices.

Thirty-three house drains have been tested with smoke.

*Factory and Workshops Act, 1901.* No slaughter-houses are at present in use, and all the Bake-houses and Work-places have been visited. Three verbal and two written notices being given for limewashing, the former being attended to. There is no overcrowding.

*Workplaces, &c. in occupation:*

Bakchouses	...	...	...	...	...	8
Workshops	...	...	...	...	...	2
Workplaces	...	...	...	...	...	14
						—
						24
						—

*Dairies and Cowsheds.* The whole of the 29 Cowsheds and Dairies have been inspected, and several specially reported upon, notices being served. There are no milkshops.

Towns-water has been fitted to one farm, and the drains relaid at two others where cattle are several specially reported upon, notices being served. There are no milkshops.

At the places visited during milking time no washing of hands by the milkers took place.

*Sewage Disposal Works.* The successful treatment of the sewage has been maintained, and the works continue in every way satisfactory. The Mersey and Irwell Committee's Inspector paid 8 visits and took 3 samples of the sewage effluent. All the samples were pronounced to be 'good.'

A new sludge lagoon (to deal with the sludge deposited in the tank) has been formed, and proved quite equal to expectation. Less time and manual labour are now needed to raise and deal with this sludge.

*Disinfection.*—Eighty houses have been fumigated with sulphur, and the following articles were passed through the steam disinfecter:

Beds	...	...	...	...	44
Bolsters and Pillows	...	...	...	...	85
Covers	...	...	...	...	16
Sheets	...	...	...	...	38
Blankets	...	...	...	...	63
Quilts	...	...	...	...	55
Rugs and Mats	...	...	...	...	4
Nightdresses	...	...	...	...	13
Dresses and Frocks	...	...	...	...	10
Underclothing	...	...	...	...	134
Bonnets and Caps	...	...	...	...	13
Overcoats	...	...	...	...	5
Trousers, Jackets, and Waistcoats	...	...	...	...	33
Sundry small articles	...	...	...	...	59
Total					572

*Nightsoil.* This work has been carried out satisfactorily, very few complaints having been received.

Three parts of the district is still let by Contract, and the other part attended to by the Council's own men.

It is found that where houses have waterclosets and dry ashpits little or no nuisance is caused when clearing the ashpits, compared to the ordinary privy midden, and the work is certainly pleasanter and more expeditious.

*New Property.* Thirty-nine new dwelling houses have been erected and become occupied during the year.

I beg to be,  
Obediently yours,  
WM. H. ROBY,  
Inspector of Nuisances.

